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RAW SEQUENCE LISTING
PATENT APPLICATION: **US/09/936,271B**

DATE: 08/11/2003
TIME: 11:39:00

Input Set : **A:\MTS3USAseqlist.txt**
Output Set: **N:\CRF4\07302003\I936271B.raw**

ENTERED

<110> APPLICANT: Yousef, George M.
Diamandis, Eleftherios
<120> TITLE OF INVENTION: Novel Human Kallikrein-Like Genes
<130> FILE REFERENCE: MTS3USA
<140> CURRENT APPLICATION NUMBER: US 09/936,271B
<141> CURRENT FILING DATE: 2001-09-10
<150> PRIOR APPLICATION NUMBER: PCT/CA00/00258
<151> PRIOR FILING DATE: 2000-03-09
<150> PRIOR APPLICATION NUMBER: US 60/124,260
<151> PRIOR FILING DATE: 1999-03-11
<150> PRIOR APPLICATION NUMBER: US 60/127,386
<151> PRIOR FILING DATE: 1999-04-01
<150> PRIOR APPLICATION NUMBER: US 60/144,919
<151> PRIOR FILING DATE: 1999-07-21
<160> NUMBER OF SEQ ID NOS: 96
<170> SOFTWARE: PatentIn version 3.2
<210> SEQ ID NO: 1
<211> LENGTH: 4740
<212> TYPE: DNA
<213> ORGANISM: Homo sapiens
<400> SEQUENCE: 1

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tgcccctgca actccttgta tcgtggtaaa tttgtgtgtg gcagtgtgcc tgggtgtgtg 1200
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85 cgactctttg agcatcagtc tgcgcagaca agtgacccga tccttgctcc cagcaacaac 1560
87 tccacccccc gagctttaat tcaccccgaa ggacccgatc ctaccgctat gagcctagac 1620
89 tcctctgttg aacccctcct gaccgtggct ttgcaccgcg atggcaccag tctcacctcc 1680
91 agagctcacc ccagagccct gactccgccc cagaagccct ggtcccacct tctgagactg 1740
93 cctctagcca taacccagct cttgaagcct tgatggcgcc cctgcgctgt aaccccaacc 1800
95 ctaggagcac tgatcccgcc ttctcagccc acccccatgc cctgactctc ctcccaggag 1860
97 ccctgactac cctgaatccc tgaccaggct cctgcaccgt gatcaccgcc cctgggagcc 1920
99 ctaggcctat atcctggacc agcccctgaa gctccgatca tgacccctgc accataaccc 1980
101 cacccccagg agccctgggt ccgccccctg ggcccgcccc cagccctgac tcggcccccc 2040
103 aagagtcctg actgctcctg aagccctgac cacgcccctg ctcggtaacc cctcccccaa 2100
105 gagccctggg cccgcctcct gagcccgttc ccagccctga ctccgccccg aggagccctg 2160
107 actgctcctg aacctctgac cacgcccctg ctcggtaagc ccacccccag gaaccctggg 2220
109 cccgcctcct ggtcccgatc ccatccctga ctccgccctc aggatctctc gtctctggta 2280
111 gctgcagcca aatcataaac ggcgaggact gcagcccgca ctcgcagccc tggcaggcgg 2340
113 cactggtcat ggaaaacgaa ttgttctgct cgggcgtcct ggtgcatccg cagtgggtgc 2400
115 tgtcagccgc acactgtttc cagaagtgag tgcagaggta gggggagtgg gcagggcctg 2460
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123 tgctgagtct ctagtgaact aaggcaagtt cttgtccctg aatttttgtg aatgaggatt 2700
125 tgagaccatg gttaagtagc tcttagggtg tttagcgaag agggtggggt tggggttagg 2760
127 agatggggat gggaatgggg ttgaagatga gaatggaggt aaggatgtag ttgccacaaa 2820
129 actgacctgc cctccgtggc ccacagctcc tacaccatcg ggctgggcct gcacagtctt 2880
131 gaggccgacc aagagccagg gagccagatg gtggaggcca gcctctccgt acggcaccca 2940
133 gagtacaaca gacccttgct cgctaacgac ctcatgctca tcaagttgga cgaatccgtg 3000
135 tccgagtctg acaccatccg gagcatcagc attgcttcgc agtgccctac cgcggggaac 3060
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141 gcagaatgcc taccgtgctg cagtgcgtga acgtgtcggt ggtgtctgag gaggtctgca 3240
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145 agaaggactc ctgcaacgtg agagagggga aaggggaggg caggcgactc agggaagggt 3360
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151 aataaagaga agcaaaggaa gagagaaaca gaaacagaca tggggaggca gaaacacaca 3540
153 cacatagaaa tgcagttgac cttccaacag catggggcct gagggcggtg acctccaccc 3600
155 aatagaaaat cctcttataa cttttgactc cccaaaaacc tgactagaaa tagcctactg 3660
157 ttgacgggga gccttaccaa taacataaat agtcgattta tgcatacgtt ttatgcattc 3720
159 atgatatacc tttgttggaa ttttttgata tttctaagct acacagttcg tctgtgaatt 3780
161 tttttaaatt gttgcaactc tcctaaaatt tttctgatgt gtttattgaa aaaatccaag 3840
163 tataagtgga cttgtgcagt tcaaaccagg gttgttcaag ggtcaactgt gtacccagag 3900
165 ggaaacagtg acacagattc atagaggtga aacacgaaga gaaacaggaa aaatcaagac 3960
167 tctacaaaga ggctgggcag ggtggctcat gcctgtaatc ccagcacttt gggaggcgag 4020
169 gcaggcagat cacttgaggt aaggagttca agaccagcct ggccaaaatg gtgaaatcct 4080
171 gtctgtacta aaaatacaaa agttagctgg atatggtggc aggcgcctgt aatcccagct 4140
173 acttgggagg ctgaggcagg agaattgctt gaatatggga ggcagaggtt gaagtgagtt 4200
175 gagatcacac cactatactc cagctggggc aacagagtaa gactctgtct caaaaaaaaa 4260

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177 aaaaaaaaag actttacaaa gagatgcaga gacactgaga cagataaaca agccacaaag   4320
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181 agcattcagg acataggaca tcgggaagca ggattagatg aagtcaggga tctggaatgg   4440
183 gacttccaac agatatgttg ctgggctatg ttgttattga tgatggttct gtctttgttt   4500
185 ctcagtctca tttagttcct ttctgagccc atatccattt ccacctctct gtgttttgaa   4560
187 ttctgactct ccctctcttc acaacagggt gactctgggg ggcccctgat ctgcaacggg   4620
189 tacttgcagg gccttgtgtc tttcggaaaa gccccgtgtg gccaagttgg cgtgccaggt   4680
191 gtctacacca acctctgcaa attcactgag tggatagaga aaaccgtcca ggccagttaa   4740
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195 <211> LENGTH: 237
196 <212> TYPE: PRT
197 <213> ORGANISM: Homo sapiens
199 <400> SEQUENCE: 2
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202 1               5                   10                  15
205 Ser Pro His Ser Gln Pro Trp Gln Ala Ala Leu Val Met Glu Asn Glu
206             20                  25                  30
209 Leu Phe Cys Ser Gly Val Leu Val His Pro Gln Trp Val Leu Ser Ala
210         35                  40                  45
213 Ala His Cys Phe Gln Asn Ser Tyr Thr Ile Gly Leu Gly Leu His Ser
214     50                  55                  60
217 Leu Glu Ala Asp Gln Glu Pro Gly Ser Gln Met Val Glu Ala Ser Leu
218 65                  70                  75                  80
221 Ser Val Arg His Pro Glu Tyr Asn Arg Pro Leu Leu Ala Asn Asp Leu
222                 85                  90                  95
225 Met Leu Ile Lys Leu Asp Glu Ser Val Ser Glu Ser Asp Thr Ile Arg
226             100                 105                 110
229 Ser Ile Ser Ile Ala Ser Gln Cys Pro Thr Ala Gly Asn Ser Cys Leu
230         115                 120                 125
233 Val Ser Gly Trp Gly Leu Leu Ala Asn Gly Glu Leu Thr Gly Arg Met
234     130                 135                 140
237 Pro Thr Val Leu Gln Cys Val Asn Val Ser Val Val Ser Glu Glu Val
238 145                 150                 155                 160
241 Cys Ser Lys Leu Tyr Asp Pro Leu Tyr His Pro Ser Met Phe Cys Ala
242                 165                 170                 175
245 Gly Gly Gly Gln Asp Gln Lys Asp Ser Cys Asn Gly Asp Ser Gly Gly
246             180                 185                 190
249 Pro Leu Ile Cys Asn Gly Tyr Leu Gln Gly Leu Val Ser Phe Gly Lys
250         195                 200                 205
253 Ala Pro Cys Gly Gln Val Gly Val Pro Gly Val Tyr Thr Asn Leu Cys
254     210                 215                 220
257 Lys Phe Thr Glu Trp Ile Glu Lys Thr Val Gln Ala Ser
258 225                 230                 235
261 <210> SEQ ID NO: 3
262 <211> LENGTH: 254
263 <212> TYPE: PRT
264 <213> ORGANISM: Homo sapiens
266 <400> SEQUENCE: 3
268 Met Ala Thr Ala Gly Asn Pro Trp Gly Trp Phe Leu Gly Tyr Leu Ile
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269 1               5                   10                  15
272 Leu Gly Val Ala Gly Ser Leu Val Ser Gly Ser Cys Ser Gln Ile Ile
273             20                  25                  30
276 Asn Gly Glu Asp Cys Ser Pro His Ser Gln Pro Trp Gln Ala Ala Leu
277         35                  40                  45
280 Val Met Glu Asn Glu Leu Phe Cys Ser Gly Val Leu Val His Pro Gln
281     50                  55                  60
284 Trp Val Leu Ser Ala Ala His Cys Phe Gln Asn Ser Tyr Thr Ile Gly
285 65                  70                  75                  80
288 Leu Gly Leu His Ser Leu Glu Ala Asp Gln Glu Pro Gly Ser Gln Met
289                 85                  90                  95
292 Val Glu Ala Ser Leu Ser Val Arg His Pro Glu Tyr Asn Arg Pro Leu
293             100                 105                 110
296 Leu Ala Asn Asp Leu Met Leu Ile Lys Leu Asp Glu Ser Val Ser Glu
297         115                 120                 125
300 Ser Asp Thr Ile Arg Ser Ile Ser Ile Ala Ser Gln Cys Pro Thr Ala
301     130                 135                 140
304 Gly Asn Ser Cys Leu Val Ser Gly Trp Gly Leu Leu Ala Asn Gly Arg
305 145                 150                 155                 160
308 Met Pro Thr Val Leu Gln Cys Val Asn Val Ser Val Val Ser Glu Glu
309                 165                 170                 175
312 Val Cys Ser Lys Leu Tyr Asp Pro Leu Tyr His Pro Ser Met Phe Cys
313             180                 185                 190
316 Ala Gly Gly Gly Gln Asp Gln Lys Asp Ser Cys Asn Gly Asp Ser Gly
317         195                 200                 205
320 Gly Pro Leu Ile Cys Asn Gly Tyr Leu Gln Gly Leu Val Ser Phe Gly
321     210                 215                 220
324 Lys Ala Pro Cys Gly Gln Val Gly Val Pro Gly Val Tyr Thr Asn Leu
325 225                 230                 235                 240
328 Cys Lys Phe Thr Glu Trp Ile Glu Lys Thr Val Gln Ala Ser
329                 245                 250
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333 <211> LENGTH: 278
334 <212> TYPE: DNA
335 <213> ORGANISM: Homo sapiens
337 <400> SEQUENCE: 4
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342 tttcggaaaa gccccgtgtg gccaagttgg cgtgccaggt gcctacacca acctctgcaa    180
344 attcactgag tggatagaga aaaccgtcca ggccagttaa ctctggggac tgggaaccca    240
346 tgaaattgac ccccaaatac atcctgcgga aggaattc                           278
349 <210> SEQ ID NO: 5
350 <211> LENGTH: 20
351 <212> TYPE: DNA
352 <213> ORGANISM: Artificial
354 <220> FEATURE:
355 <223> OTHER INFORMATION: primer
357 <400> SEQUENCE: 5
358 tgacccgctg taccacccca                                               20
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Input Set : **A:\MTS3USAseqlist.txt**
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362 <211> LENGTH: 20
363 <212> TYPE: DNA
364 <213> ORGANISM: Artificial
366 <220> FEATURE:
367 <223> OTHER INFORMATION: primer
369 <400> SEQUENCE: 6
370 gaattccttc cgcaggatgt                                              20
373 <210> SEQ ID NO: 7
374 <211> LENGTH: 21
375 <212> TYPE: DNA
376 <213> ORGANISM: Artificial
378 <220> FEATURE:
379 <223> OTHER INFORMATION: primer
381 <400> SEQUENCE: 7
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385 <210> SEQ ID NO: 8
386 <211> LENGTH: 21
387 <212> TYPE: DNA
388 <213> ORGANISM: Artificial
390 <220> FEATURE:
391 <223> OTHER INFORMATION: primer
393 <400> SEQUENCE: 8
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398 <211> LENGTH: 18
399 <212> TYPE: DNA
400 <213> ORGANISM: Artificial
402 <220> FEATURE:
403 <223> OTHER INFORMATION: primer
405 <400> SEQUENCE: 9
406 tgcgcaagtt caccctca                                               18
409 <210> SEQ ID NO: 10
410 <211> LENGTH: 19
411 <212> TYPE: DNA
412 <213> ORGANISM: Artificial
414 <220> FEATURE:
415 <223> OTHER INFORMATION: primer
417 <400> SEQUENCE: 10
418 ccctctcctt acttcatcc                                              19
421 <210> SEQ ID NO: 11
422 <211> LENGTH: 20
423 <212> TYPE: DNA
424 <213> ORGANISM: Artificial
426 <220> FEATURE:
427 <223> OTHER INFORMATION: primer
429 <400> SEQUENCE: 11
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433 <210> SEQ ID NO: 12
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RAW SEQUENCE LISTING ERROR SUMMARY DATE: 07/30/2003
PATENT APPLICATION: **US/09/936,271B** TIME: 11:59:54

Input Set : **A:\MTS3USAseqlist.txt**
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Invalid <213> Response:
Use of "Artificial" only as "<213> Organism" response is incomplete, per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:5,6,7,8,9,10,11,12,15,16,17,18,19,20,24,25,26,27,28,29,30,31,32,33,34,35
Seq#:36,37,38,39,40,41,42,46,47,48,49,50,51,52,53,54,55,61,62,63,64,90

VERIFICATION SUMMARY DATE: 07/30/2003
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